

Geologic Log For Site MARI 53350

NWIS Site ID: 444849123003301

OWRD Log ID: MARI 53350

Well location: 09S/03W-02DDA

Depth drilled, in feet below land surface: 400

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 620

Logged by: M. H. Beeson and T. L. Tolan

Date drilled: 05/21/1998

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Ground Surface	616			
		Soil	612			
		Clay and Silt brown to gray clay and silt with very small fragments of totally weathered basalt				
		Sentinel Bluffs flow slightly weathered ('dirty'), fine to medium grained dense basalt	577	0.5 gpm	60	
		Pillow lavas and glass yellow to orange coated (palagonite) black glass a few claystone chips mixed in	541			
100		no vesicles, position of contact uncertain	520		115	
		Winter Water flow? dense gray to black basalt, slightly weathered; no phenocrysts evident, but chemistry suggests Winter Water				
200		230-235' some glass chips - pillow zone or contamination?		6 gpm		
		Weathered vesicular? zone weathered and slightly oxidized; few very small vesicles; a few claystone chips a few glass chips from 285-295' (in place?)	343			
300		Winter Water flow? black, fine grained, fresh basalt; very rare plagioclase phenocrysts of Winter Water type	331		370	
400		Glass and siltstone red-coated glass and red siltstone - contact?	216 211			